



# DECUS

## PROGRAM LIBRARY

DECUS NO.	8-562
TITLE	DISORT
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COMPANY	Digital Communications Associates, Inc. Atlanta, Georgia
DATE	August 1, 1972
SOURCE LANGUAGE	PAL-8

### ATTENTION

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DISORT      A Directory sorting program      19 July 1972  
            J Alderman      Digital Communications Associates, Inc

Purpose:

This program sorts PS-8 directories, and outputs an alphabetically ordered list of the entries of a directory.

Called by:

```
.R DISORT
*OUTDEV<INFILE.DI
.
```

Default output device is TTY: but any one-page handler device may be used. Assumed extension is .DI. Assumed input device is SYS:. Several input files may be merged, but the maximum number of lines in all files must be less than 321 (the overflow will be ignored).

Input files are assumed to be directory listings obtained with PIP, either using the /L or /E options. The program is assembled assuming that 22 columns of input are in each line (extra characters are ignored), and it sorts on the first 10 columns of each line. Other line-lengths may be accommodated by changing location 105 to twice the number of columns in each record, and location 110 to be twice the number of columns (from column 1) to be sorted on.

Users with Line-Printers can change the default output device to be LPT: by changing 17314 from 7325 to 7307.

Acknowledgements:

This program is a merging of the General Sort Program (DECUS 8-280) by M. J. Raymond of Mullards in England, and the PS8IN and PS8OUT packages (DECUS 8-472) from Hans Mees and Floor Anthoni of the Netherlands. As a note on the ease of the use of DECUS 8-472, this program was created in a single editing session (using PDP-10 compatible TECO), and RAN THE FIRST TIME!

The program does not sort files longer than can be fit into core, and it makes no attempt to use field 1 for sorting room. There is no "merge" facility, and the restriction of the keys starting in column 1 limits its usefulness in many applications. As a directory sorting routine, however, it is really useful.

ADDEMDUM

AUG 11 1972

# LIBERTY MUTUAL



Research Center, 71 Frankland Road, Hopkinton, Massachusetts 01748 • Tel. 435-3452

August 7, 1972

Fern Haley  
DECUS  
146 Main Street  
Maynard, Massachusetts 01754

Dear Fern:

Enclosed is a program John Alderman wishes to submit. I have tried it and it seems to do what it says it does. I did notice a couple of things however.

1. The write-up says that SYS: is the default input device but it seems that it is actually DSK:. This is only important on non-disk systems that make these separated devices.
2. The way that the default output device (TTY: according to the write-up) is set is dependent upon the way the system is built. In a system built from a normal version of CONFIG everything is OK but if the system is built with BUILD the device numbers are unpredictable. As an example, on my system the default device happens to be LPT: because it was assigned the device number that John has assumed will belong to TTY:. In this case there is no serious problem but it could be very serious if the assumed device was file oriented and you started writing on it at block zero.

Very truly yours,

Robert Hassinger  
Research Associate

RH:rk

cc: Mr. John Alderman